

WHAT IS CLAIMED IS:

1. In a processor for processing an object supported on a tray that moves in and out of a processing station, the improvement comprising a rotatable roller positioned a selected distance above an upper surface of the tray such that the roller clears a properly positioned object on the tray, and aligned with the path of the object as the tray moves in and out of the processing station, the selected distance positioning the roller to intercept an object on the tray at a position other than the proper position.
- 15 2. The processor of claim 1 and a sensor to sense rotation of the roller.
3. The processor of claim 1, wherein the object is a flat substrate and said tray has a recess for receiving the substrate for transporting the substrate into and out of the processing station, and wherein the selected distance is such that the roller engages the substrate if the substrate is not positioned in the recess.
- 25 4. The processor of claim 2, wherein there is a shaft mounting the roller and the shaft extends across the tray.

5. The processor of claim 4 wherein the processor has spaced side walls, and wherein the shaft extends between the side walls, and wherein the tray is positioned between the side walls.

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6. The processor of claim 1, wherein there is a shaft supporting the roller, and an encoder coupled to the shaft to indicate rotation of such shaft.

10 7. The processor of claim 6, wherein said encoder comprising a rotating disc that rotates with the shaft, and a sensor member that is mounted on the processor.

15 8. The processor of claim 6, wherein said shaft is supported relative to the side walls on upper edges of levers on opposite sides of the processor, and wherein each lever is supported on a pivot and is of unequal length between the pivot and  
20 the opposite ends of the levers, such that the levers tend to rotate under gravity to engage the shaft when the levers are unrestrained from pivoting.

9. The processor of claim 8, and a clamp screw  
25 for clamping each lever into position after the respective lever has engaged the underside of the shaft under gravity.

10. The processor of claim 1, wherein said object is a disc that is circular in periphery, and wherein the tray has a circular recess for receiving the disc.

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11. The apparatus of claim 10, wherein said processor comprises a laminator for laminating a sheet onto a disc carried by the tray into the processing station.

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12. A sensing roller assembly detecting a substrate on a movable conveyor which is more than a selected distance above the conveyor, a support to rotatably mount the roller spaced from an upper 15 surface of the conveyor less than the selected distance, and in the path of movement of the substrate when the substrate is supported at least in part by the upper surface of the conveyor, and a sensor to sense rotation of the roller.

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13. The assembly of claim 12, wherein said conveyor comprises a tray reciprocating in the path of movement, the tray having a recess of size to receive a substrate comprising a flat substrate, and 25 at least one projection adjacent to the recess that extends a selected distance above the upper surface of the tray to raise a portion of a substrate on the tray that has the portion positioned out of the recess above the upper surface.

14. The assembly of claim 13, wherein said roller is mounted onto a shaft that overlies the tray.